AUTHOR INDEX

Acquavella J.F., 735
Agard E.T., 447
Agnesod G., 475
Alexander E.L., 123*
Anton R., 29
Aoyama T., 773
Asano Y., 75
Ashmore J.P., 437

Ballou J.E., 453
Bayer A., 757
Benedetto A.R., 232†
Beretka J., 87
Bhattacharyya M.H., 207
Bigu J., 371
Birngruber R., 781
Blanchard R.L., 587, 695
Bloch P., 221
Boone F.W, 401
Borak T.B., 261
Brekke D.D., 339
Brits R.J.N., 124*
Brown K.L., 49
Buschbom R.L., 453
Busigin A., 509*
Busigin C.J., 509*

Campbell P.J., 815*
Carter M.W., 695
Chabot G.E., 123*
Chen M.S., 141
Chu J., 221
Clement J.D., 355†
Cohen B.L., 342
Cohen N., 228
Coniglio W.A., 553
Cossairt J.D., 175
Cothern C.R., 535
Couch J.G., 117
Coulson L.V., 175
Cowan E., 695
Cross F.T., 649

Daer G.R., 117
Dagle G.E., 453
de Castro T., 817†
DeFord H.S., 453
Delaney C.F.G., 485
Dilger H., 29
Dodd B., 114
Doerfel H., 29
Doyle C., 333
Doyle S.M., 265
Dunford D.W., 110
Durbin P.W., 601

Ehlers G., 447
Eichholz G.G., 232†, 355†, 516†
Elliott J.H., 309
Essien I.O., 325
Evdokimoff V.N., 510*

Fitzgerald L.T., 351†
French C.S., 123*
Fujimoto K., 437
Fukushima M., 215
Furr H.C., 207

Gabel V.-P., 781
Gladden J.B., 49
Glasgow G.P., 97
Goldin A.S., 819†
Greiner N.R., 283
Grier R.S., 249
Guilmette R.A., 487

Haaland C.M., 511*
Hahne R.M.A., 587
Hamm R.N., 717
Harley N.H., 649
Hathaway S., 671
Hayashi K., 75
Healy J.W., 7
Helton J.C., 757
Hempelmann L.H., 249
Hess C.T., 553, 805
Hillenkamp F., 781
Hinton T.G., 421
Hirshfield H., 228
Hofmann W., 649
Hohenemser C., 349*
Horsey K.A., 117
Horton T.R., 553
Howard B., 601

Ichikawa Y., 215
Iida T., 120
Ikebe Y., 75, 120
Inkret W.C., 261
Ishida M.R., 465

Jackson P.O., 429
Jackson W.M., 747
Jacob P., 183
Jennings W.A., 509*
Johnson J.R., 110

Kahn B., 587
Kalkwarf D.R., 429
Kantelo M.V., 401
Kase K.R., 289
Kathren R.L., 105
Kenny P.J., 141
Kirchberg S., 447
Kiviniitty K., 814*
Kocher D.C., 193
Kohn H.W., 818†
Koizumi K., 120
Kumar P., 221
Kuroda P.K., 325
Kutt J.C., 429

Lakey J.R.A., 125*
Lal, N., 809, 811
Landman K.A., 19
Landolt R.R., 339
Langhorst S.M., 344
Lappenbusch W.L., 535
Larsen R., 221
Larsen R.P., 207
Lassovszky P., 671
Laughlin G.J., 105
Lipsztein J., 601

Macdonell D.G., 735
Mackowiak E.D., 350*
Maillie H.D., 159, 224
Mariën K., 797
Martin J., 695
Mathew P.J., 87
Mayer P.G., 401
Mays C.W., 635
McAulay I.R., 333, 485
McCurdy D., 587
McElroy N.L., 356†
McInroy J.F., 7
Meck R.A., 141
Mellor R.A., 587
Michael B., 221
Michel J., 553
Miller B.M., 61
Miller W.H., 344
Mills W.A., 701
Molls M., 465
Moore W.S., 587
Moretti E.S., 207
Morris J.S., 344
Mossman K.L., 297
Muggenburg B.A., 487
Muller A.B., 757
Murphy B.D., 315
Murphy G.L., 747

Nagpaul K.K., 809, 811
Nakaoka A., 215
Nazaroff W.W., 265
Nevissi A.E., 169
Noakes J.E., 747
Numark N.J., 289

O'Riordan M.C., 813*
Ohr S.Y., 315
Oldham R.D., 207
Ossola P., 475

Palms J.M., 401
Paretzke H.G., 183
Peterson D.P., 207
Phillips C.R., 509*
Pleskach S.D., 303
Poston J.W., 231†
Prichard H.M., 553, 797

* Indicates Letters to the Editors
† Indicates Book Reviews

Rahon T.E., 228
Ramsay I., 515†
Regnier J.E., 695
Reid G.W., 671
Rosenblat S., 19
Rowland R.E., 635
Rudolph W., 29
Ruemmler P.S., 61
Rundo J., 601
Ryan J.L., 61
Ryan M.T., 817†

Saito M., 465
Sandoval D.N., 325
Schieferdecker H., 29
Schlapper G.A., 351†, 515†
Sedlet J., 587
Sharma P.K., 809, 811
Sheppard M.I., 494
Sheppard S.C., 494
Shimo M., 75
Sjoreen A.L., 193
Skrable K.W., 123*
Smith M.H., 49
Smith T., 813
Spaletto M.I., 207
Spaulding J.D., 747
Stehney A.F., 635
Still E.T., 601
Stranden E., 415
Streffer C., 465
Sullivan M.F., 61
Sullivan R., 695

Takagi S., 215
Thomas R.G., 7
Thomas R.H., 233†, 353†, 353†, 813*
Thompson I.M.G., 125*
Tietjen G.L., 735
Tofani S., 475
Tolley H.D., 453
Towns A., 49
Tschaeche A.N., 349*
Turner J.E., 717

Voelz G.L., 249

Wadach J.B., 805
Waight P.J., 510*
Walker S., 97
Watanabe T., 773
Waxweiler R.J., 735
Wethington J.A. Jr., 354†
Whicker F.W., 421
White G.A. Jr., 352†
Whittaker E., 587
Wiggs L.D., 735
Wilkinson G.S., 735
Williams J.D., 97
Willis D.L., 601
Wilson J.A., 437
Wise K.N., 501
Wrenn M.E., 601
Wright H.A., 717

Yamamoto S., 120

Zanelli G.D., 813*
Zimmerman N.J., 339
Zonick C.A., 117

* Indicates Letters to the Editors
† Indicates Book Reviews

Accidents, power reactor
Contamination of surface-water bodies after reactor accidents by the erosion of atmospherically deposited radionuclides 757
Distribution of KI 350
Post-accident radiation monitors 105
Americium
Further studies on the influence of chemical form and dose on absorptions of Np, Pu, Am and Cm from the gastrointestinal tracts of adult and neonatal rodents 61

Cancer
A 37-year medical follow-up of Manhattan Project Pu workers 249
Cancer risk from the lifetime intake of Ra and isotopes 635
Health effects and risks from ^{222}Rn in drinking water 649
Mortality among workers at the Pantex weapons facility 735
Study of trace amounts of U in snuff 811
The occurrence of radioactivity in public water supplies in the United States 553
The radiological impact of mining in a Th-rich Norwegian area 415
Toxicology of ^{85}Kr: effects of whole-body immersion exposure on newborn rats 453
Cesium
Radiocesium levels in Irish Sea fish and the resulting dose to the population of the Irish Republic 333
Cesium-137
Radiation exposure rates near brachytherapy patients containing ^{137}Cs sources 97
Charcoal filters
Investigation of charcoal filters used in monitoring airborne radioactive I 344
Chelation
Reduction of Cm translocation from lung by constant infusion of DTPA after inhalation of Cm_2O_3 by rats 487
Civil defense
Comment on 'Forecasting radiation exposure from fallout' 510
Reply to Victor N. Evdokimoff 511
Coal
Comparison of radiological risks from coal burning and nuclear power 342
Emanation coefficients for Rn in sized coal fly ash 429
Radon emanation from coals: effects of moisture and particle size 283
Committed dose equivalent
The effect of uncertainty of model parameters on estimates of committed dose equivalent 501

Compliance
Compliance and policy issues and recommendations related to revision of the National Interim Primary Drinking Water Regulations for radionuclides 695
Computer calculations
Review article. A Monte Carlo primer for health physicists 717
Contamination
Diffusion of a contaminant in fractured porous media 19
Dosimetric models of ^{3}H from skin absorption following contact with T_2-contaminated surfaces 110
Contamination, atmospheric
Air-ground interface correction factors for gamma emitters in air 183
Contamination of surface-water bodies after reactor accidents by the erosion of atmospherically deposited radionuclides 757
Measurement of ^{210}Pb atmospheric flux in the Pacific Northwest 169
Contamination, environmental
Distribution of gamma exposure rates in a reactor effluent stream flood plain system 49
Radiocesium levels in Irish Sea fish and the resulting dose to the population of the Irish Republic 333
Contamination, internal
Inhalation of U aerosols from UO_2 fuel element fabrication 29
Correction factors
Air-ground interface correction factors for gamma emitters in air 183
Curium
Further studies on the influence of chemical form and dose on absorptions of Np, Pu, Am and Cm from the gastrointestinal tracts of adult and neonatal rodents 61
Reduction of Cm translocation from lung by constant infusion of DTPA after inhalation of Cm_2O_3 by rats 487

Detector, fission track
Estimation of U content in coffee samples by fission-track counting 809
Radon-222 concentration measurements in soil using liquid scintillation and Track Etch 805
Study of trace amounts of U in snuff 811
Diffusion
Diffusion of a contaminant in fractured porous media 19
DNA
Estimation of absorbed dose in cell nuclei due to DNA-bound ^{3}H 465
Dose equivalent
A new unit for effective dose equivalent 510
Dose equivalent, committed
The effect of uncertainty of model parameters on estimates of committed dose equivalent 501
Dose, absorbed
Estimation of absorbed dose in cell nuclei due to DNA-bound ^{3}H 465

Dose, population
Radiocesium levels in Irish Sea fish and the resulting dose to the population of the Irish Republic 333
Doses, organ
Scattered radiation doses to some critical organs during pediatric radiotherapy 447
Doses, scattered
Scattered radiation doses to some critical organs during pediatric radiotherapy 447
Dosimetry
Campbell's theorems and calculations on the effects of randomly distributed intakes of radioactive materials 485
On some properties of ^{222}Rn short-lived decay products in air 75
The limitations of atmospheric dispersion data and their contribution to uncertainties in dose assessment 315
Dosimetry, alpha
Verification of the generalized Kusnetz method for measuring potential alpha energy from Rn daughters 261
Dosimetry, beta
Toxicology of ^{85}Kr: effects of whole-body immersion exposure on newborn rats 453
Dosimetry, gamma
Comparison of environmental radiation dosimetry and gamma-ray spectroscopy 747
Dose-rate conversion factors for external exposure to photon emitters in soil 193
Dosimetry, internal
Committed vs annual dose limits for internal radiation protection and control 123
Further studies on the influence of chemical form and dose on absorptions of Np, Pu, Am and Cm from the gastrointestinal tracts of adult and neonatal rodents 6
Reply to Smith and Zanelli 814
The activities and total transformations in the GI tract for ingested radionuclides 224
Thyroid burdens of ^{125}I in laboratory workers 813
Dosimetry, thermoluminescent
Comparison of environmental radiation dosimetry and gamma-ray spectroscopy 747
Using radiation damage to obtain a large quantity of matched-sensitivity thermoluminescent dosimeters 309
DTPA
Reduction of Cm translocation from lung by constant infusion of DTPA after inhalation of Cm_2O_3 by rats 487
Dwellings
Radon entry into houses having a crawl space 265

Emergencies, radiological
Criteria for the administration of KI for thyroid blocking of radioiodine 141
Distribution of KI 350

Emissions, atmospheric
Comparison of radiological risks from coal burning and nuclear power 342
Deposition of excess amount of natural U from the atmosphere 325
Investigation of charcoal filters used in monitoring airborne radioactive I 344
The limitations of atmospheric dispersion data and their contribution to uncertainties in dose assessment 315
Epidemiology
Mortality among workers at the Pantex weapons facility 735
Excretion, urinary
Determination of U and Th in urine by neutron activation 303
Exposure, radiation
A 37-year medical follow-up of Manhattan Project Pu workers 249
Comments on the book review of Radiation Protection Quantities for External Exposure 125
Dose-rate conversion factors for external exposure to photon emitters in soil 193
Exposure from a fluoroscope without the deadman exposure switch depressed 221
Mortality among workers at the Pantex weapons facility 735
Neutron skyshine measurements at Fermilab 175
Radiation exposure risks to nuclear well loggers 437
Reply to I.M.G. Thompson 125

Fallout
A comparison of radionuclide concentrations in 1956 and 1973 Enewetak Beach materials 228
Comment on 'Forecasting radiation exposure from fallout' 510
Deposition of excess amount of natural U from the atmosphere 325
Reply to Victor N. Evdokimoff 511
Fish
Radiocesium levels in Irish Sea fish and the resulting dose to the population of the Irish Republic 333

Gas mantles
Measurement of the ^{232}Th content of gas mantles 124
Genetic effects, radiation
Plutonium in gonads: a summary of the current status 7
Gonads
Plutonium in gonads: a summary of the current status 7
Health effects
A 37-year medical follow-up of Manhattan Project Pu workers 249
Contamination of surface-water bodies after reactor accidents by the erosion of atmospherically deposited radionuclides 757
Health effects and risks from ^{222}Rn in drinking water 649
Mortality among workers at the Pantex weapons facility 735

Incineration
Measurements of effluent radioactivity during the incineration of carcasses containing radioactive microspheres 339
Ingestion
The activities and total transformations in the GI tract for ingested radionuclides 224

Inhalation
The effect of uncertainty of model parameters on estimates of committed dose equivalent 501
Intake
Cancer risk from the lifetime intake of Ra and U isotopes 635
International System of Units
A new unit for effective dose equivalent 510
Comment on 'Health Physics to adopt International System of Units' 509
Comments regarding change to International System of Units 815
Iodine
Investigation of charcoal filters used in monitoring airborne radioactive I 344
Residence half-times of ^{129}I in undisturbed surface soils based on measured soil concentration profiles 401
Iodine-125
Reply to Smith and Zapelli 814
Thyroid burdens of ^{125}I in laboratory workers 813
Iodine-129
Residence half-times of ^{129}I in undisturbed surface soils based on measured soil concentration profiles 401
Ireland
Radiocesium levels in Irish Sea fish and resulting dose to the population of the Irish Republic 333

Krypton
Toxicology of ^{85}Kr: effects of whole-body immersion exposure on newborn rats 453

Lasers
Theoretical investigations of laser thermal retinal injury 781
Lead-210
Adsorption of Pu, Pb and Cd to mouth surfaces during oral administration to mice 207
Measurement of ^{210}Pb atmospheric flux in the Pacific Northwest 169
Liquid scintillation
Radon-222 concentration measurements in soil using liquid scintillation and Track Etch 805

Maximum contaminant level
Radiological sampling and analytical methods for National Primary Drinking Water Regulations 587
Regulatory consideration in radiation protection 701
Metabolism
Metabolism of ingested U and Ra 601
Microspheres
Measurements of effluent radioactivity during the incineration of carcasses containing radioactive microspheres 339
Microwaves
Analysis of environmental pollution by radiofrequency radiation from teleradiocommunication devices 475
Mining
The radiological impact of mining in a Th-rich Norwegian area 415

Models
Campbell's theorems and calculations on the effects of randomly distributed intakes of radioactive materials 485
Cancer risk from the lifetime intake of Ra and U isotopes 635
Emanation coefficients for ^{129}Rn in sized coal fly ash 429
Residence half-times of ^{129}I in undisturbed surface soils based on measured soil concentration profiles 401
The effect of uncertainty of model parameters on estimates of committed dose equivalent 501
The limitations of atmospheric dispersion data and their contribution to uncertainties in dose assessment 315
The plant concentration ratio concept as applied to natural U 494
Theoretical investigations of laser thermal retinal injury 781
Theoretical models for determining ^{222}Rn and ^{220}Rn progeny levels in Canadian underground U mines--a comparison with experimental data 371
Monte Carlo
Review article. A Monte Carlo primer for health physicists 717
Mortality
Mortality among workers at the Pantex weapons facility 735

Neptunium
Further studies on the influence of chemical form and dose on absorptions of Np, Pu, Am and Cm from the gastrointestinal tracts of adult and neonatal rodents 61
Neutron activation
Determination of U and Th in urine by neutron activation 303
Neutrons
Neutron skyshine measurements at Fermilab 175
Norway
The radiological impact of mining in a Th-rich Norwegian area 415
Nuclear reactor
Comparison of radiological risks from coal burning and nuclear power 342
Distribution of gamma exposure rates in a reactor effluent stream flood plain system 49
Post-accident radiation monitors 105
Nuclear reactor fuel
Inhalation of U aerosols from UO_2 fuel element fabrication 29
Nuclear workers
Mortality among workers at the Pantex weapons facility 735

Plutonium
A 37-year medical follow-up of Manhattan Project Pu workers 249
Adsorption of Pu, Pb and Cd to mouth surfaces during oral administration to mice 207
Further studies on the influence of chemical form and dose on absorptions of Np, Pu, Am and Cm from the gastrointestinal tracts of adult and neonatal rodents 61
Plutonium in gonads: a summary of the current status 7
Plutonium particle size determination using an alpha-particle imaging system 120

Potassium iodide
Criteria for the administration of KI for thyroid blocking of radioiodine 141
Distribution of KI 350
Potassium-40
Natural radioactivity of Australian building materials, industrial wastes and by-products 87
Power plant, coal-fired
Evaluation of radiation dose from a coal-fired power plant 215
Pregnancy
Medical radiodiagnosis and pregnancy: evaluation of options when pregnancy status is uncertain 297
Proportional counter
A new type of ^{3}H surface-contamination monitor 773
Public information
Comments on informing the public about the risks of ionizing radiation 349
Reply to A.N. Tschaeche 349

Radiation damage
Using radiation damage to obtain a large quantity of matched-sensitivity thermoluminescent dosimeters 309
Radiation dose
Evaluation of radiation dose from a coal-fired power plant 215
Radiation monitor
Post-accident radiation monitors 105
Radiation therapy, pediatric
Scattered radiation doses to some critical organs during pediatric radiotherapy 447
Radiation transport
Review article. A Monte Carlo primer for health physicists 717
Radiation, alpha
Plutonium particle size determination using an alpha-particle imaging system 120
The occurrence of radioactivity in public water supplies in the United States 553
Radiation, gamma
Air-ground interface correction factors for gamma emitters in air 183
Comment on 'Forecasting radiation exposure from fallout' 510
Comparison of environmental radiation dosimetry and gamma-ray spectroscopy 747
Distribution of gamma exposure rates in a reactor effluent stream flood plain system 49
Reply to Victor N. Evdokimoff 511
Radiation, medical
Exposure from a fluoroscope without the deadman exposure switch depressed 221
Medical radiodiagnosis and pregnancy: evaluation of options when pregnancy status is uncertain 297
Radiation exposure rates near brachytherapy patients containing ^{137}Cs sources 97
Radiation transmission and scattering for medical linacs producing x rays of 6 and 15 MV: comparison of calculations with measurements 289

Scattered radiation doses to some critical organs during pediatric radiotherapy 447
Radiation, non-ionizing
Analysis of environmental pollution by radiofrequency radiation from teleradiocommunication devices 475
Theoretical investigations of laser thermal retinal injury 781
Radioactivity, natural
Cancer risk from the lifetime intake of Ra and U isotopes 635
Compliance and policy issues and recommendations related to revision of the National Interim Primary Drinking Water Regulations for radionuclides 695
Health effects and risks from ^{222}Rn in drinking water 649
Metabolism of ingested U and Ra 601
Natural radioactivity of Australian building materials, industrial wastes and by-products 87
Radiological sampling and analytical methods for National Primary Drinking Water Regulations 587
Regulatory consideration in radiation protection 701
Regulatory development of the interim and revised regulations for radioactivity in drinking water--past and present issues and problems 535
The occurrence of radioactivity in public water supplies in the United States 553
Treatment, waste management and cost for removal of radioactivity from drinking water 671
Radioactivity, removal of
Treatment, waste management and cost for removal of radioactivity from drinking water 671
Radiofrequency
Analysis of environmental pollution by radiofrequency radiation from teleradiocommunication devices 475
Radium
Cancer risk from the lifetime intake of Ra and U isotopes 635
Metabolism of ingested U and Ra 601
Radium-226
Natural radioactivity of Australian building materials, industrial wastes and by-products 87
Radon
A field experiment of Rn flux from reclaimed uranium mill tailings 421
Emanation coefficients for Rn in sized coal fly ash 429
Radon emanation from coals: effects of moisture and particle size 283
Radon entry into houses having a crawl space 265
Reply to A.G. Scott 509
Theoretical models for determining ^{222}Rn and ^{220}Rn progeny levels in Canadian underground U mines--a comparison with experimental data 371
Verification of the generalized Kusnetz method for measuring potential alpha energy from Rn daughters 261
Radon progeny
Theoretical models for determining ^{222}Rn and ^{220}Rn progeny levels in Canadian underground U mines--a comparison with experimental data 371

Radon-220
The radiological impact of mining in a Th-rich Norwegian area 415
Radon-222
A passive diffusion ^{222}Rn sampler based on activated carbon adsorption 797
Health effects and risks from ^{222}Rn in drinking water 649
On some properties of ^{222}Rn short-lived decay products in air 75
Radon-222 concentration measurements in soil using liquid scintillation and Track Etch 805
The radiological impact of mining in a Th-rich Norwegian area 415
Theoretical models for determining ^{222}Rn and ^{220}Rn progeny levels in Canadian underground U mines--a comparison with experimental data 371
Reactor fuel
Health physics aspects of a research reactor fuel shipment 114
Regulations
Compliance and policy issues and recommendations related to revision of the National Interim Primary Drinking Water Regulations for radionuclides 695
Regulatory consideration in radiation protection 701
Regulatory development of the interim and revised regulations for radioactivity in drinking water--past and present issues and problems 535
Risk analysis
A method of estimating the risks from ingested radionuclides 159
Cancer risk from the lifetime intake of Ra and U isotopes 635
Comments on informing the public about the risks of ionizing radiation 349
Comparison of radiological risks from coal burning and nuclear power 342
Health effects and risks from ^{222}Rn in drinking water 649
Metabolism of ingested U and Ra 601
Reply to A.N. Tschaeche 349
The occurrence of radioactivity in public water supplies in the United States 553
Rodents
Reduction of Cm translocation from lung by constant infusion of DTPA after inhalation of Cm_2O_3 by rats 487
Toxicology of ^{85}Kr: effects of whole-body immersion exposure on newborn rats 453

Sampling
A passive diffusion ^{222}Rn sampler based on activated carbon adsorption 797
Radiological sampling and analytical methods for National Primary Drinking Water Regulations 587
Shielding
Health physics aspects of a research reactor fuel shipment 114
Radiation transmission and scattering for medical linacs producing x rays of 6 and 15 MV: comparison of calculations with measurements 289

Soil
A field experiment of Rn flux from reclaimed uranium mill tailings 421
Dose-rate conversion factors for external exposure to photon emitters in soil 193
Radon entry into houses having a crawl space 265
Residence half-times of ^{129}I in undisturbed surface soils based on measured soil concentration profiles 401
The plant concentration ratio concept as applied to natural U 494
Surface contamination monitor
A new type of ^{3}H surface-contamination monitor 773

Tailings
A field experiment of Rn flux from reclaimed uranium mill tailings 421
The radiological impact of mining in a Th-rich Norwegian area 415
Telecommunications
Analysis of environmental pollution by radiofrequency radiation from teleradiocommunication devices 475
Thermoluminescence
Comment on letter from M.C. O'Riordan 813
Using radiation damage to obtain a large quantity of matched-sensitivity thermoluminescent dosimeters 309
Word classes 813
Thorium
Determination of U and Th in urine by neutron activation 303
The radiological impact of mining in a Th-rich Norwegian area 415
Thorium-232
Measurement of the ^{232}Th content of gas mantles 124
Natural radioactivity of Australian building materials, industrial wastes and by-products 87
Thyroid
Criteria for the administration of KI for thyroid blocking of radioiodine 141
Reply to Smith and Zapelli 814
Thyroid burdens of ^{125}I in laboratory workers 813
Tritium
A low-cost tritiated water solar evaporator 117
A new type of ^{3}H surface-contamination monitor 773
Dosimetric models of 3H from skin absorption following contact with T_2-contaminated surfaces 110
Estimation of absorbed dose in cell nuclei due to DNA-bound 3H 465

Units
A new unit for effective dose equivalent 510
Comment on 'Health Physics to adopt International System of Units' 509
Comments regarding change to International System of Units 815
Editors' Page. International System of Units 1
Uptake, plant
Estimation of U content in coffee samples by fission-track counting 809

Study of trace amounts of U in snuff 811
The plant concentration ratio concept as applied to natural U 494
Uranium
A field experiment of Rn flux from reclaimed uranium mill tailings 421
Cancer risk from the lifetime intake of Ra and U isotopes 635
Deposition of excess amount of natural U from the atmosphere 325
Determination of U and Th in urine by neutron activation 303
Estimation of U content in coffee samples by fission-track counting 809
Inhalation of U aerosols from UO2 fuel element fabrication 29
Metabolism of ingested U and Ra 601
Reply to A.G. Scott 509
Study of trace amounts of U in snuff 811
The plant concentration ratio concept as applied to natural U 494
Uranium mines
Reply to A.G. Scott 509
Theoretical models for determining ^{222}Rn and ^{220}Rn progeny levels in Canadian underground U mines--a comparison with experimental data 371

Waste disposal
Measurements of effluent radioactivity during the incineration of carcasses containing radioactive microspheres 339
Waste management
Treatment, waste management and cost for removal of radioactivity from drinking water 671
Water
A low-cost tritiated water solar evaporator 117
Cancer risk from the lifetime intake of Ra and U isotopes 635
Compliance and policy issues and recommendations related to revision of the National Interim Primary Drinking Water Regulations for radionuclides 695
Health effects and risks from ^{222}Rn in drinking water 649
Metabolism of ingested U and Ra 601
Radiological sampling and analytical methods for National Primary Drinking Water Regulations 587
Regulatory consideration in radiation protection 701
Regulatory development of the interim and revised regulations for radioactivity in drinking water--past and present issues and problems 535
The occurrence of radioactivity in public water supplies in the United States 553
The radiological impact of mining in a Th-rich Norwegian area 415
Treatment, waste management and cost for removal of radioactivity from drinking water 671
Water treatment
Treatment, waste management and cost for removal of radioactivity from drinking water 671
Weapons
A comparison of radionuclide concentrations in 1956 and 1973 Enewetak Beach materials 228
Comment on 'Forecasting radiation exposure from fallout' 510
Reply to Victor N. Evdokimoff 511

Well logging
Radiation exposure risks to nuclear well loggers 437
Working levels
The radiological impact of mining in a Th-rich Norwegian area 415
Theoretical models for determining ^{222}Rn and ^{220}Rn progeny levels in Canadian underground U mines--a comparison with experimental data 371
Verification of the generalized Kusnetz method for measuring potential alpha energy from Rn daughters 261

x rays
Radiation transmission and scattering for medical linacs producing x rays of 6 and 15 MV: comparison of calculations with measurements 289